Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

# Data Sheet
# Fujitsu ESPRIMO Q9000 Desktop PC

The mini with more PC per cm

A real eye-catcher on your desk and anywhere else. The extremely small and elegant ESPRIMO Q9000. The mini PC combines the performance of a fully equipped Desktop PC, low energy consumption, ENERGY STAR® certification, hardly any noise, a large number of practical connections, such as HDMI, DVI and eSATA and system management functions - all on a CD case footprint with a volume of only 1.6 liters.

**An elegant PC for challenging tasks**
Eye-catcher on every desk with a modern and exclusive design
- A fully equipped Mini PC weighing only 1.4 kg (1.6 liter volume)

**A black shell and a green core**
The most energy-efficient computer of our ESPRIMO series reduces your energy consumption
- Intel® mobile technology with power consumption of 19 Watts in idle mode and extended energy management settings

**Small, flexible and powerful**
Intelligent performance using state-of-the-art Intel technology, high expandability to meet all requirements
- Up to Intel® Core™i5 processor, 4 GB memory and 500 GB hard disk drive

**System management**
Easy system administration for complex IT infrastructure
- Intel® vPro™ technology (depending on CPU) and DeskView manageability

Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

# Components

| | |
|---|---|
| **Processor** | Intel® Core™ i5-560M processor (2 Cores / 4 Threads, 2.66 GHz, 3 MB, Intel® HD Graphics) |
| | Intel® Core™ i3-380M processor (2 Cores / 4 Threads, 2.53 GHz, 3 MB, Intel® HD Graphics) * |
| | Intel® Celeron® processor P4600 (2 Cores / 2 Threads, 2.0 GHz, 2 MB, Intel® HD Graphics) |
| | *Processor only for SMB, education and government |
| **Operating system** | |
| **Operating system** | Genuine Windows® 7 Home Basic (EM) 32-bit<br>Genuine Windows® 7 Home Premium 64-bit<br>Genuine Windows® 7 Professional 32-bit<br>Genuine Windows® 7 Professional 64-bit |
| **Operating system compatible** | openSUSE Linux<br>Genuine Windows Vista®<br>Genuine Windows® XP |
| **Operating system notes** | Buy Microsoft® Office 2010 to use the full-featured Office software on this PC.<br>Limited Windows® XP support. Microsoft discontinued Windows® XP certification on system level, basic drivers via http://support.ts.fujitsu.com |
| **Memory modules** | 1 GB (1 module(s) 1 GB) DDR3, non-ECC, 1066 MHz, PC3-8500, SO DIMM |
| | 2 GB (1 module(s) 2 GB) DDR3, non-ECC, 1066 MHz, PC3-8500, SO DIMM |
| **Hard disk drives (internal)** | SSD SATA, 128 GB, 2.5-inch, full disk encryption |
| | SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T. |
| | SATA II, 5400 rpm, 500 GB, 2.5-inch |
| | SATA II, 5400 rpm, 320 GB, 2.5-inch |
| | SATA, 5400 rpm, 250 GB, 2.5-inch |
| | SATA, 5400 rpm, 160 GB, 2.5-inch |
| **Hard disk notes** | Supporting NCQ and 3 GBit |
| **Drives (optional)** | DVD Super Multi Slot-in slim |
| **Interface add on cards/components (optional)** | |
| | WLAN (IEEE 802.11a/b/g/n) |
| | Bluetooth 2.1 |
| **Base unit** | ESPRIMO Q9000 |
| **Mainboard** | |
| **Formfactor** | proprietary |
| **Chipset** | Intel® QM57 |
| **Processor socket** | rPGA 988A |
| **Processor quantity maximum** | 1 |
| **Memory slots** | 2 SO DIMM |
| **Supported capacity RAM (max.)** | 4 GB |
| **Memory frequency** | 1066 MHz |
| **Memory notes** | Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same<br>In configurations with 4 GB the visible memory may be reduced to approximately 3.5 GB or less (for 32 bit operating systems, depending on system configuration) |
| **LAN** | 10/100/1000 MBit/s Intel® 82577 LM |
| **Integrated WLAN** | 1 (optional) |
| **BIOS version** | AMI Aptio 4.6 |

| | |
|---|---|
| **Mainboard** | |
| BIOS features | BIOS Flash EPROM update by software<br>Recovery BIOS<br>Unified Extensible Firmware Interface (UEFI) |
| Audio codec | Realtek ALC662 |
| Audio features | Support of high-definition audio for S/PDIF output with up to 5.1 channels |
| **I/O controller on board** | |
| Serial ATA total | 3 |
| Controller functions | Serial ATA II<br>3 GBit<br>AHCI |
| **Interfaces** | |
| Audio: line-in | 1 |
| Audio: line-in / microphone | 1 |
| Audio: line-out / headphones / SPDIF | 1 (optical) |
| Front audio: headphone | - |
| USB 2.0 total | 6 |
| USB front | 2 |
| USB rear | 4 |
| VGA | 1 (via DVI to VGA-Adapter) |
| DVI | 1 |
| HDMI | 1 |
| Ethernet (RJ-45) | 1 |
| Kensington Lock support | 1 |
| eSATA | 1 |
| Interface Module notes | Anytime USB charge functionality |
| **Input device / components** | |
| | Optical USB tilt wheel mouse |
| **Drive bays** | |
| Drive bays total | 2 |
| 2.5-inch bays | 1 |
| 5.25-inch external bays | 1 |
| Drive bay notes | slim slot-in |
| **Graphics on board** | |
| Graphics brand name | Intel® HD Graphics |
| Refresh rate 1024 x 768 (recommended / max.) | 75 Hz / - |
| Refresh rate 1280 x 1024 (recommended / max.) | 75 Hz / - |
| Refresh rate 1600 x 1200 (recommended / max.) | 75 Hz / - |
| TFT resolution (VGA) | 1360 x 768 pixel<br>1440 x 900 pixel<br>1600 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1080 pixel<br>1920 x 1200 pixel |
| TFT resolution (DVI) | 1360 x 768 pixel<br>1440 x 900 pixel<br>1600 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1080 pixel<br>1920 x 1200 pixel |

| | |
|---|---|
| **Graphics on board** | |
| **TFT resolution (HDMI)** | 1360 x 768 pixel<br>1440 x 900 pixel<br>1600 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1080 pixel<br>1920 x 1200 pixel |
| **Graphics features** | Dual display support<br>DirectX 10<br>OpenGL® 2.1 |
| **Electrical values** | |
| **Operating voltage range** | 100 V - 240 V (AC Input) |
| **Max. output of single power supply** | external |
| **Power consumption** | |
| **Power consumption note** | See white paper Energy Consumption |
| **Link to Energy White Paper** | http://docs.ts.fujitsu.com/dl.aspx?id=40068b69-2bd3-45ed-aeeb-51281fecd0cd |
| **Heat dissipation** | |
| **Heat dissipation notes** | See white paper Energy Consumption |
| **Noise for standard configuration (HDD, ODD)** | |
| **Noise emission** | According to ISO9296 |
| **Noise Operation mode 1: ODD load (Blue angel requirement)** | 4.4 B / 30 dB(A) |
| **Noise Operation mode 2: HDD load (Blue angel requirement)** | 3.4 B / 19 dB(A) |
| **Noise Operation mode 3: CPU 90% load (Blue angel requirement)** | 4.4 B / 31 dB(A) |
| **Noise Operation mode 4: High load** | 4.4 B / 30 dB(A) |
| **Noise Operation mode 5: Office applications** | 3.4 B / 19 dB(A) |
| **Idle mode (Blue Angel requirement)** | 3.4 B / 19 dB(A) |
| **Noise notes / description** | Noise for standard configuration CPU, HDD, ODD; A weighted sound power level Lwad (in B) / Workplace related A-weighted sound pressure level LpAm (in dB(A)), (bystander position) (ISO9296) |
| **Dimensions / Weight / Environmental** | |
| **Dimensions (W x D x H)** | 165 x 168 x 57 mm |
| **Operating position** | Backpack solution (optional) |
| **Weight** | approx. 1.4 kg |
| **Weight notes** | Actual weight may vary depending on configuration |
| **Operating ambient temperature** | 5 - 35°C |
| **Compliance** | |
| **Product** | ESPRIMO Q9000 |
| **Model** | MPC-D1007 |
| **Germany** | Blauer Engel / Blue Angel |
| **Europe** | CE<br>Nordic Swan |
| **Global** | RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronic equipment)<br>Microsoft Operating Systems (HCT / HCL entry / WHQL)<br>ENERGY STAR®<br>EPEAT® Silver (dedicated regions) |
| **Compliance link** | https://sp.ts.fujitsu.com/sites/certificates/default.aspx |
| **Additional Software** | |
| **Additional software (preinstalled)** | Nero Essentials S (burning software) |

## Additional Software

| | |
|---|---|
| **Additional software (optional)** | Recovery DVD for Windows®<br>Drivers & Utilities DVD (DUDVD)<br>Nero 9 Essentials XL |

## Compatibility (references)

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|---|---|
| | DMI 2.0<br>PC 2001<br>WMI 1.5<br>USB 2.0<br>SMBIOS |

## Manageability

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|---|---|
| **Manageability technology** | PXE 2.1 Boot code<br>Wake up from S5 (off mode)<br>iAMT 6.0<br>DeskUpdate Driver management<br>ASF 2.0 (Alert Standard Format) |
| **Manageability software** | DeskView 10 |
| **DeskView components** | Detailed system inventory management and reports<br>WoL (Wake on LAN)<br>On/Offline remote client management<br>BIOS Management<br>Remote power management<br>System notifications<br>Security Remote Control<br>DeskView Helpdesk Integration |
| **Manageability link** | http://ts.fujitsu.com/manageability<br>http://www.altiris.com/fujitsu<br>http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html |

## Security

| | |
|---|---|
| **System protection** | Kensington Lock support |
| **Audit proof protection** | Boot sector virus protection<br>Trusted platform module (TPM 1.2) |
| **Access protection** | User and supervisor BIOS password<br>Optional: Access protection via external SmartCard reader |

## Packaging information

| | |
|---|---|
| **Packaging dimension** | 395x198x284 mm |
| **Max. quantity / pallet** | 48 |
| **Material - Weight (g) Carton** | 670g |
| **Material - Weight (g) EPS / PS** | appr. 10 g |
| **Material - Weight (g) PE** | appr. 125 g |
| **Packaging notes** | printed user documentation is bleached in chlorin free process |

## Warranty

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|---|---|
| **Standard Warranty** | 1 year |
| **Service level** | Bring-In / On-Site Service (depending on country) |

## Maintenance and Support Services - the perfect extension

| | |
|---|---|
| **Recommended Service** | 5x9, Response Time: Next Business Day |
| **Spare Parts availability** | 5 years |
| **Service Weblink** | http://ts.fujitsu.com/Supportservice |

# More information

## Fujitsu platform solutions

In addition to Fujitsu ESPRIMO Q9000, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

**Dynamic Infrastructures**
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

**Computing Products**
www.fujitsu.com/global/services/computing/

**Software**
www.fujitsu.com/software/

## More information

Learn more about Fujitsu ESPRIMO Q9000, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://ts.fujitsu.com/ESPRIMO

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at http://www.fujitsu.com/global/about/environment/

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Contact
FUJITSU Technology Solutions
Website: http://ts.fujitsu.com
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